

WHAT IS CLAIMED IS:

1. A plasma display panel including a first substrate, a second substrate,
and discharge gas filled in a space defined between said first and second
5 substrates,

said first substrate including at least one first electrode extending in a first
direction, and at least one second electrode extending in parallel with said first
electrode,

said second substrate including at least one third electrode extending in a
10 second direction perpendicular to said first direction, and a plurality of partition
walls extending in said second direction for partitioning a display area,

wherein at least one of said first and second electrodes is comprised of a first
portion being in the form of a line extending in said first direction, and defining a
discharge gap between itself and an adjacent electrode, and a second portion
15 radially extending from said first portion in a direction away from said discharge
gap.

2. The plasma display panel as set forth in claim 1, wherein said second
portion radially extends from said first portion at a center of said display area in
20 said first direction.

3. The plasma display panel as set forth in claim 1, wherein said second
portion is comprised of a straight line.

25 4. The plasma display panel as set forth in claim 1, wherein said second
portion is comprised of a line including curved portions.

5. The plasma display panel as set forth in claim 1, wherein said second
portion includes a portion extending in said second direction.

6. The plasma display panel as set forth in claim 1, wherein said first portion has a length measured in said first direction which length is equal to or greater than $2W$ wherein W indicates a width of said discharge gap.

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7. The plasma display panel as set forth in claim 1, wherein said first portion has a length measured in said second direction which length is in the range of $0.5W$ and $3W$ both inclusive wherein W indicates a width of said discharge gap.

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8. The plasma display panel as set forth in claim 1, wherein each of said first and second electrodes is comprised of a principal discharge electrode for carrying out discharge and a bus electrode for reducing a line resistance in said first direction.

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9. The plasma display panel as set forth in claim 8, wherein said principal electrode is comprised of a transparent electrode having a high rate at which visible lights pass therethrough.

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10. The plasma display panel as set forth in claim 8, wherein said principal electrode is comprised of a transparent electrode having a high rate at which visible lights pass therethrough, and a thin metal wire.

11. The plasma display panel as set forth in claim 1, wherein at least one of said first and second electrodes is comprised of a thin metal wire.

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12. The plasma display panel as set forth in claim 8, wherein said principal electrode at least partially thereof does not make contact with said bus electrode in said display area.

13. The plasma display panel as set forth in claim 1, further comprising a plurality of second partition walls extending in said first direction for partitioning said display area, said first and second electrodes being arranged
5 such that they do not extend across a boundary between said display area and said second partition walls.

14. The plasma display panel as set forth in claim 13, wherein each of said first and second electrodes is comprised of a principal discharge electrode for
10 carrying out discharge and a bus electrode for reducing a line resistance, said bus electrode being arranged on said first partition walls such that said bus electrode is not exposed to a discharge space in said display area.

15. The plasma display panel as set forth in claim 1, wherein said second
15 portion exists entirely in said display area.

16. The plasma display panel as set forth in claim 1, wherein said second portion is V-shaped.

20 17. The plasma display panel as set forth in claim 1, wherein said first portion is continuous with first portions extending in adjacent display areas.

18. The plasma display panel as set forth in claim 1, wherein said second portion is comprised of a V-shaped portion extending from said first portion, and
25 two lines extending from distal ends of said V-shaped portion in said second direction.

19. The plasma display panel as set forth in claim 1, wherein said second portion is U-shaped.

20. The plasma display panel as set forth in claim 1, wherein said second portion is comprised of at least three lines extending from said first portion.

5 21. The plasma display panel as set forth in claim 20, wherein at least one of said lines exist within said display area.

22. The plasma display panel as set forth in claim 14, wherein said second electrode is at least partially connected to said bus electrode.

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23. A plasma display panel including a first substrate, a second substrate, and discharge gas filled in a space defined between said first and second substrates,

15 said first substrate including at least one first electrode extending in a first direction, and at least one second electrode extending in parallel with said first electrode,

 said second substrate including at least one third electrode extending in a second direction perpendicular to said first direction, and a plurality of partition walls extending in said second direction for partitioning a display area,

20 each of said first and second electrodes being comprised of a principal discharge electrode for carrying out discharge and a bus electrode for reducing a line resistance, said bus electrode being arranged on said first partition walls such that said bus electrode is not exposed to a discharge space in said display area,

25 wherein said principal discharge electrode in at least one of said first and second electrodes is comprised of a first portion being in the form of a line extending in said first direction, and defining a discharge gap between itself and an adjacent electrode, and a second portion comprised of a first section spaced away from said first portion and making electrical contact with said bus electrode,

and a second section electrically connecting said first portion and said bus electrode to each other.

24. The plasma display panel as set forth in claim 23, wherein said first
5 section is reverse-U-shaped.

25. The plasma display panel as set forth in claim 23, wherein said second section extends in said second direction above said partition walls.

10 26. The plasma display panel as set forth in claim 23, wherein a minimum gap between said first and second portions is equal to or smaller than $2W$ wherein W indicates a width of said display area.

15 27. The plasma display panel as set forth in claim 23, further comprising a third portion which connects said first and second portions to each other.

28. The plasma display panel as set forth in claim 27, wherein said second portion exists entirely within said display area.

20 29. A plasma display panel including a first substrate, a second substrate, and discharge gas filled in a space defined between said first and second substrates,

said first substrate including at least one first electrode extending in a first direction, and at least one second electrode extending in parallel with said first
25 electrode,

said second substrate including at least one third electrode extending in a second direction perpendicular to said first direction, a plurality of first partition walls extending in said first direction, and a plurality of second partition walls extending in said second direction such that said first and second partition walls

extend in a matrix,

wherein said first and second electrodes are arranged such that they do not extend across a boundary between said display area and said first partition walls.

- 5 30. The plasma display panel as set forth in claim 29, wherein each of said first and second electrodes is comprised of a principal discharge electrode for carrying out discharge and a bus electrode for reducing a line resistance, said bus electrode being arranged on said first partition walls such that said bus electrode is not exposed to a discharge space in said display area.

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